SADCAS
SOUTHERN AFRICAN DEVELOPMENT COMMUNITY ACCREDITATION SERVICE

ANNEXURE A

SCHEDULE OF ACCREDITATION

TEMPERATURE METROLOGY

Laboratory Accreditation Number: CAL-14 006 (ISO/IEC 17025:2017)

Permanent Address of Laboratory
Namibian Standards Institution
Metrology Department
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Technical Signatories : Mr S S Sankwasa (All Items)
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Nominated Representative : Mr S Matali

Issue No : 01
Date of Issue : 28 February 2023
Expiry Date : 27 February 2028

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	
				At NSI	Onsite
1	Digital Thermometry	Internal: MTPI 006 Reference: SADCAS TR 26	-30 °C to 125 °C 125 °C to 450 °C	0.2 °C 0.2 °C	0.5 °C 0.5 °C
				At NSI	
2	Liquid in Glass Thermometry	Internal: MTPI 007 Reference: OIML R 133, SADCAS TR 26	-40 ^{0}C to 0 °C 0 ^{0}C to 150 °C	0.25 °C 0.2 °C	
				At NSI & On-site	
3	Temperature Installations (Single Location)	Internal: MTPI 016 Reference: SADCAS TR 26	-30 °C to 0 °C 0 °C to 10 °C 10 °C to 40 °C 40 °C to 80 °C 80 °C to 450 °C	2 °C 1 °C 0.4 °C 0.8 °C 1 °C	

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				At NSI & On-site
4	Isothermal Media (Multi-location Mapping)	Internal: MTPI 016 Reference: SADCAS TR 26	-30 °C to 0 °C	2 °C
			0 °C to 10 °C	1 °C
			10 °C to 40 °C	0.4 °C
			40 °C to 80 °C	0.8 °C
			80 °C to 450 °C	1 °C

The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor k = 2, corresponding to a confidence level of approximately 95%.

Pinkie J Malebe
SADCAS Technical Manager